
Subject: Re: [PATCH] ext3: ext3_symlink should use GFP_NOFS allocations inside (ver. 3)

Posted by [Andrew Morton](#) on Fri, 10 Mar 2006 08:56:34 GMT

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Arjan van de Ven <arjan@infradead.org> wrote:

>
> On Fri, 2006-03-10 at 11:46 +0300, Kirill Korotaev wrote:
> > Andrew,
> >
> > Fixed both comments from Al Viro (thanks, Al):
> > - should have a separate helper
> > - should pass 0 instead of GFP_KERNEL in page_symlink()
>
> >
> > + page = find_or_create_page(mapping, 0,
> > + mapping_gfp_mask(mapping) | gfp_mask);
>
>
>
> this does not work; GFP_NOFS has a bit *LESS* than GFP_KERNEL, not a bit
> more. As such a | operation isn't going to be useful....
>
> (So I think that while Al's intention was good, the implication of it
> isn't ;)

Yup. page_symlink() needs to pass in mapping_gfp_mask(inode->i_mapping)
and ext3 needs to pass in, umm,

mapping_gfp_mask(inode->i_mapping) & ~__GFP_FS

or

GFP_NOFS|__GFP_HIGHMEM.

preferably the former I guess.
